

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Katz

Art Unit: 2304

Serial No.: 07/810,005

Examiner: Zanelli, M.

Filed: 12/18/91

Docket: TI-16314

For: Generalized Hebbian Learning for Principal Component Analysis and Automatic Target Recognition, Systems and Methods

Re: Attention of Licensing and Review

AMENDMENT UNDER 37 C.F.R. 1.115

January 8, 1993

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Dear Sir:

The following amendments and remarks are offered in response to the Examiner's Office Action dated 07/08/92. They are respectfully submitted as a full and complete response to that Action.

Please amend the above referenced application as follows:

In the Claims

Please add new Claims as follows:

20. A method for distinguishing targets from background clutter, comprising the steps of

- (a) inputting data having targets and background clutter;
- (b) applying neural network learning procedures to said data to construct a set of operators;
- (c) applying said set of operators to data to construct a set of features;
- (d) choosing optimal features from said set of features to distinguish targets from clutter; and
- (e) using said optimal features to distinguishing targets from background clutter.

**REMARKS**

Claims 1-19 are pending. Original Claims 1-19 were rejected under 35 U.S.C. 112, second paragraph. New Claim 20 has also been added hereinabove. Applicants in response now answer the rejections and amend selected claims. 20-0668 010 102

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